

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-17. (Cancelled)

18. (Currently Amended) A method of checking integrity of an update to a web site component that defines a portion of a ~~website~~ web site, comprising:

associating content approval workflow processes with the web site component;
detecting an update of the web site component;
in response to detecting the update,

choosing a content approval workflow process from the content approval workflow processes based on at least one of an identity of the updated web site component, a particular group of components to which the updated web site component belongs, and a priority level associated with each of the content approval workflow processes; and

executing the chosen content approval workflow process to assess whether the updated web site component is approved; and

deploying the updated web site component while maintaining referential integrity of the ~~website~~ web site by:

adding related web site components that have not been selected for deployment to a deployment transaction including the updated ~~website~~ web site component to enable the related components that depend on the updated web site component to be properly deployed; and
executing a dependent update workflow process to:

re-render at least some part of the web site;

test the web site under a load;

recategorize content of the web site;

build a new index for the web site; and

deploy the web site to a production server; and

wherein, in response to determining that at least one web site component being deployed fails to properly deploy, rolling back the deployment transaction.

19. (Currently Amended) The method of Claim 18, further comprising:
reviewing a plurality of component relationships to determine components that depend on the updated web site component;

choosing a particular dependent update workflow process to launch based on at least one of a dependent component that is involved and the component that has been updated; and
executing the chosen dependent update workflow process.

20. (Previously Presented) The method of Claim 18, wherein the executing of the content approval workflow process comprises executing a content approval workflow process that is capable of including at least one defined operation that asks a participant to accept, edit, or reject, the update to the web site component.

21. (Previously Presented) The method of Claim 18, wherein detecting the update of the web site component includes detecting an addition of a new component to an existing folder including web site components.

22. (Previously Presented) The method of Claim 18, wherein detecting the update of the web site component includes detecting a deletion of a component, wherein attempts to delete the web site component are prevented when other components are dependent on the web site component.

23. (Currently Amended) The method of Claim 18, further comprising:
identifying at least one association between the updated web site component and at least one of a plurality of defined workflow processes.

24. (Currently Amended) The method of Claim 23, wherein identifying the at least one association includes identifying at least one association between the updated web site component and at least one of a plurality of defined workflow processes based on membership, by the updated web site component, in a group of components associated with a defined workflow process.

25. (Previously Presented) The method of Claim 23, wherein identifying the at least one association includes identifying more than one association and determining based on a criteria, which of the more than one associated content approval workflows to execute.

26. (Currently Amended) A method of checking integrity of an update to a web site component that defines a portion of a ~~website~~ web site, comprising:

detecting an update of a web site component, the web site component being one of a plurality of web site components defining structure and content of a web site, wherein the plurality of web site components are stored in a multilevel hierarchical structure;

in response to detecting the update, reviewing a plurality of relationships to determine components that depend on the updated web site component;

choosing a particular dependent update workflow process to launch based on at least one of a dependent component that is involved and the component that has been updated; and

executing the chosen dependent update workflow process to execute at least one operation on at least one of the determined dependent components, wherein the at least one executed operation relates to updating the at least one determined dependent component, wherein executing the chosen dependent update workflow process:

re-renders at least some part of the web site;

tests the web site under a load;

recategorizes content of the web site;

builds a new index for the web site; and

deploys the web site to a production server.

27. (New) A web content management system for updating web content, the web content management system comprising:

- a web content engine configured to:
 - access a plurality of components used to define content associated with a web site;
 - associate content approval workflow processes with a web site component from the plurality of components;
 - detect an update of the web site component;
 - in response to detecting the update,
 - choose a content approval workflow process from the content approval workflow processes based on at least one of an identity of the updated web site component, a particular group of components to which the updated web site component belongs, and a priority level associated with each of the content approval workflow processes; and
 - execute the chosen content approval workflow process to assess whether the updated web site component is approved; and
 - deploy the updated web site component while maintaining referential integrity of the web site by:
 - adding related web site components that have not been selected for deployment to a deployment transaction including the updated web site component to enable the related components that depend on the updated web site component to be properly deployed; and
 - executing a dependent update workflow process to:
 - re-render at least some part of the web site;
 - test the web site under a load;
 - recategorize content of the web site;
 - build a new index for the web site; and
 - deploy the web site to a production server; and
- wherein, in response to determining that at least one web site component being deployed fails to properly deploy, rolling back the deployment transaction.

28. (New) The web content management system of Claim 27, wherein the plurality of components form an ordered structure of the plurality of components and relationships between the plurality of components.

29. (New) The web content management system of Claim 28, further comprising a repository for storing the plurality of components and the relationships.

30. (New) The web content management system of Claim 27, wherein the web content engine is further configured to submit a workflow definition to a workflow process engine, wherein the workflow definition defines one or more ordered operations to be performed by at least one participant in the approval of one or more modified components.

31. (New) The web content management system of Claim 30, wherein the web content engine is further configured to submit a dependent update workflow definition to the workflow process engine.

32. (New) The web content management system of Claim 31, wherein the dependent update workflow definition defines one or more ordered operations to be performed by at least one participant in the rerendering of web pages incorporating the one or more modified components.

33. (New) The web content management system of Claim 27, wherein the web content engine further comprises a rendering service configured to render the web site from the plurality of components.

34. (New) The web content management system of Claim 27, wherein the web content engine further comprises a deployment service capable of deploying the web site to a target system.

35. (New) The web content management system of Claim 34, wherein the deployment service deploys related components in the deployment transaction as a single transaction.

36. (New) The web content management system of Claim 35, wherein if at least one component being deployed during the single transaction fails to properly deploy, the single transaction is deemed to have failed.

37. (New) The web content management system of Claim 36, wherein the deployment service is capable of rolling back any failed single transaction.

38. (New) The web content management system of Claim 27, wherein the plurality of components comprise an atomic component, a composite component, and a page component.

39. (New) A web content management system comprising:
a web content engine configured to access a plurality of components defining content associated with at least one web site;
a workflow process engine configured to access a plurality of workflow processes defining ordered operations to be performed on one or more of the plurality of components by at least one participant to render some or all of the at least one web site, wherein at least one of the one or more workflow processes comprises a deployment operation, wherein the deployment operation deploys related components in a single transaction, wherein if at least one component being deployed fails to deploy correctly, the transaction is rolled back; and
wherein the web content engine is configured to execute a dependent update workflow process to:

- re-render at least some part of the web site;
- test the web site under a load;
- recategorize content of the web site;
- build a new index for the web site; and
- deploy the web site to a production server;

40. (New) The web content management system of Claim 39, wherein the plurality of components comprise a plurality of atomic components defining at least a portion of content of a web site and a plurality of structured components defining at least a portion of structure of a web site that includes a reference to the atomic component and a structured component, wherein each structured component is deemed to be dependent on any component included, by reference, within the structured component.

41. (New) The web content management system of Claim 40, wherein the plurality of structured components comprise at least a plurality of page components, wherein each page component defines structure and content of a web page.